

ABSTRACT

A premise system that is reliable, easy to install and easy to maintain, that provides data to a computing platform detailing the energy usage of the consumer, allowing the utility company to dynamically adjust rates and output levels so as to increase cost savings. An energy management system according to the invention is designed as a network of devices installed in the home or small office to efficiently make use of heating, ventilation, and air-conditioning (“HVAC”) units and other appliances. Module devices installed on the network may communicate and transmit energy usage data to a central server, for example, located at the utility company. The utility company monitors the usage data as the data is periodically received and is able to generate messages that initiate energy saving programs specific to each premise.

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